DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I HEREBY DECLARE:

THAT my residence, post office address, and citizenship are as stated below next to my name;

THAT I believe I am the original, first, and sole inventor (if only one inventor is named below) or an original, first, and joint inventor (if plural inventors are named below or in an attached Declaration) of the subject matter which is claimed and for which a patent is sought on the invention entitled

PYRIDOPYRIMIDINONES			
the specification of wh	nich (check one)		
	is attached hereto.		
_	was filed on International Application Number and was amended on 14.10.2004	as U.S. Serial No. or PCT <u>PCT/EP2004/011549</u>	

THAT I do not know and do not believe that the same invention was ever known or used by others in the United States of America, or was patented or described in any printed publication in any country, before I (we) invented it;

THAT I do not know and do not believe that the same invention was patented or described in any printed publication in any country, or in public use or on sale in the United States of America, for more than one year prior to the filing date of this United States application;

THAT I do not know and do not believe that the same invention was first patented or made the subject of an inventor's certificate that issued in any country foreign to the United States of America before the filing date of this United States application if the foreign application was filed by me (us), or by my (our) legal representatives or assigns, more than twelve months (six months for design patents) prior to the filing date of this United States application;

THAT I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above;

THAT I believe that the above-identified specification contains a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention, and sets forth the best mode contemplated by me of carrying out the invention; and

THAT I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code §119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of

any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed?	Certified Copy Attached?
103 52 979.9	Germany	13.11.2003		

I HEREBY CLAIM the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

U.S. Provisional Application Number	Filing Date

I HEREBY CLAIM the benefit under Title 35, United States Code, §120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Application Number	Parent Filing Date	Parent Patent Number

I HEREBY APPOINT the following registered attorneys and agents of the law firm of **Heller Ehrman White & McAuliffe** to have full power to prosecute this application and any continuations, divisions, reissues, and reexaminations thereof, to receive the patent, and to transact all business in the United States Patent and Trademark Office connected therewith:

PAUL BOOTH	Reg. No.	40,244
PATRICIA D. GRANADOS	Reg. No.	33,683
ROBERT M. HANSEN	Reg. No.	43,656
JOHN P. ISACSON	Reg. No.	33,715
RONALD J. KAMIS	Reg. No.	41,104
JOHNNY A. KUMAR	Reg. No.	34,649
MARVIN A. MOTSENBOCKER	Reg. No.	36,614
COLIN G. SANDERCOCK	Reg. No.	31,298

F03/202-0

978725.9

Attorney Docket No.:

and I request that all correspondence be directed to:

HELLER EHRMAN WHITE & MCAULIFFE 1666 K Street, NW, Suite 300 Washington, DC 20006 Telephone: (202) 912-2000

Facsimile: (202) 912-2000

I UNDERSTAND AND AGREE THAT the foregoing attorneys and agents appointed by me to prosecute this application do not personally represent me or my legal interests, but instead represent the interests of the legal owner(s) of the invention described in this application.

I FURTHER DECLARE THAT all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Name of first inventor	HOELZEMANN, Guenter
Residence	Gutenbergstrasse 6B, 64342 Seeheim-Jugenheim, Germany
Citizenship	Germany
Post Office Address	c/o Merck KGaA, 64271 Darmstadt, Germany
Inventor's signature	grinte Hobernaun
Date	20.06.2006
Name of second inventor	CRASSIER, Helene
Residence	Soderstrasse 94, 64287 Darmstadt, Germany
Citizenship	France
Post Office Address	c/o Merck KGaA, 64271 Darmstadt, Germany
Inventor's signature	deberne commercia.
Date	20.06.2006

Name of third inventor	ACKERMANN, Karl-August
Residence	Am Pfarrweiher 40, 64372 Ober-Ramstadt, Germany
Citizenship	Germany
Post Office Address	c/o Merck KGaA, 64271 Darmstadt, Germany
Inventor's signature	Karl-Angust A dem
Date	20.06.2006
Name of fourth inventor	STAEHLE, Wolfgang
Residence	Neuweg 14c, 55218 Ingelheim, Germany
Citizenship	Germany
Post Office Address	c/o Merck KGaA, 64271 Darmstadt, Germany
Inventor's signature	10.41 (A)
Date	20.06, 2006
Name of fifth inventor	JONCZYK, Alfred
Name of fifth inventor Residence	Schepp Allee 57, 64295 Darmstadt, Germany
-	
Residence	Schepp Allee 57, 64295 Darmstadt, Germany
Residence - Citizenship	Schepp Allee 57, 64295 Darmstadt, Germany Germany
Residence Citizenship Post Office Address	Schepp Allee 57, 64295 Darmstadt, Germany Germany
Residence Citizenship Post Office Address Inventor's signature	Schepp Allee 57, 64295 Darmstadt, Germany Germany c/o Merck/KGaA, 64271/Darmstadt, Germany
Residence Citizenship Post Office Address Inventor's signature Date	Schepp Allee 57, 64295 Darmstadt, Germany Germany c/o Merck/KGaA, 64271 Darmstadt, Germany All Tree (March March) 20, 06, 2006
Residence Citizenship Post Office Address Inventor's signature Date Name of sixth inventor	Schepp Allee 57, 64295 Darmstadt, Germany Germany c/o Merck/KGaA, 64271 Darmstadt, Germany // // // // // // // // // // // // //
Residence Citizenship Post Office Address Inventor's signature Date Name of sixth inventor Residence	Schepp Allee 57, 64295 Darmstadt, Germany Germany c/o Merck KGaA, 64271 Darmstadt, Germany Action Communication (Communication) Action Communication (Communication) RAUTENBERG, Wilfried Magdeburger Strasse 13, 64354 Reinheim, Germany
Residence Citizenship Post Office Address Inventor's signature Date Name of sixth inventor Residence Citizenship	Schepp Allee 57, 64295 Darmstadt, Germany Germany c/o Merck KGaA, 64271 Parmstadt, Germany 20.06.2006 RAUTENBERG, Wilfried Magdeburger Strasse 13, 64354 Reinheim, Germany Germany

Name of seventh inventor	MITJANS, Francesc
Residence	Pujadas 78, 42a, 08700 Igualada, Spain
Citizenship	Spain
Post Office Address	c/o Merck KGaA, 64271 Darmstadt
Inventor's signature	1000110001
Date	20.06.2006
_	
Name of eighth inventor	ROSELL-VIVES, Elisabet
Residence	Enrique Granados, 43, 08008 Barcelona, Spain
Citizenship	Spain
Post Office Address	c/o Merck KGaA, 64271 Darmstadt
Inventor's signature	Eniza V Rook
Date	30.06.06
Name of ninth inventor	ADAN, Jaume
Residence	Pujol, 28, 08008 Barcelona, Spain
Citizenship	Şpain
Post Office Address	de-Merck KGaA, 64271 Darmstadt
Inventor's signature	
Date	20,06,2006
_	
Name of tenth inventor	SOLER RIERA, Marta
Residence	Enrique Granados nº 43, entlo. 2, 08008 Barcelona, Spain
Citizenship	Spain
Post Office Address	c/o Merck KGaA, 64271 Darmstadt
Inventor's signature	Jen
Date	20.06.2006

PTO/SB/96 (09-06)
Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)			
Applicant/Patent Owner: Merck Patent GmbH			
Application No./Patent No.: 10/579,222 Filed/Issue Date: May 12, 2006			
Entitled: PYRIDOPYRIMIDINONES			
Merck Patent GmbH , a Corporation (Name of Assignee) (Type of Assignee, e.g., corporation, partner	rship, university, government agency, etc.)		
states that it is: 1. the assignee of the entire right, title, and interest; or			
2. an assignee of less than the entire right, title and interest (The extent (by percentage) of its ownership interest is%)			
in the patent application/patent identified above by virtue of either:			
A An assignment from the inventor(s) of the patent application/patent identified above. In the United States Patent and Trademark Office at Reel, Frame thereof is attached.	The assignment was recorded, or for which a copy		
OR B. A chain of title from the inventor(s), of the patent application/patent identified above, to	o the current assignee as follows:		
To: The document was recorded in the United States Patent and Trademark Office Reel, Frame, or for which a copy thereof To: To: The document was recorded in the United States Patent and Trademark Office	is attached.		
Reel, Frame, or for which a copy there	e at of is attached.		
3. From: To: To: The document was recorded in the United States Patent and Trademark Office			
The document was recorded in the United States Patent and Trademark Office Reel, Frame, or for which a copy ther			
Additional documents in the chain of title are listed on a supplemental sheet.			
As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.	n the original owner to the		
[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must Division in accordance with 37 CFR Part 3, to record the assignment in the records 302.08]	t be submitted to Assignment s of the USPTO. <u>See</u> MPEP		
The undersigned (whose title is supplied below) is authorized to act on behalf of the assigned	ee.		
La La	JANUARY 9, 2007		
Signature	Date		
Ronald J. Kamis 200 No. 41,104	(202) 312-7440		
Printed or Typed Name	Telephone Number		
Attorney of Applicant Title			

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

ASSIGNMENT AND AGREEMENT

WHEREAS, Guenter Hoelzemann; Helene Crassier; Karl-August Ackermann, Wolfgang Staehle, Alfred Jonczyk and Wilfried Rautenberg (hereinafter referred to singly and collectively as "ASSIGNOR") have invented a certain invention entitled

PYRIDOPYRIMIDINONES

for which an application for United States Letters Patent was filed on 14.10.2004 as Application No. PCT/EP2004>/011549 : and

WHEREAS, Merck Patent GmbH, having its principal place of business at Frankfurter Strasse 250, 64293 Darmstadt, Germany (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire interest therein;

NOW THEREFORE, in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of Heller Ehrman White & McAuliffe the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Heller Ehrman White & McAuliffe do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

NAMES AND SIGNATURES OF INVENTORS			
Name: Guenter Hoelzemann	Signature: () · -	Date:	
	June Polsewan	20.06.06	
Name: Helene Crassier	Signature: Teleme CRASSTETT	Date:	
		20000	
Name: Karl-Heinz Ackermann	Signature: Karl Angust Aglem	Date: <u>—&∉ 06.06</u>	
Name: Wolfgang Staehle	Signature:	Date:	
	Contract of the contract of th	20.06.06	
Name: Alfred Jonczyk	Signature:	Date:	
	VICY TO ST	20.06.06	
Name:Wilfried Rautenberg	Signature:///////	Date	
	illy Trad Caritan -	1 00 06 06	
NAMES AND SIG	SNATURES OF WITNESSES	,	
Name:	Signature:	Date:	
Rosemarie Grundke	Pasellarie fellipho	20,06.06	
Name:	Signature:	Date:	
Rosemarie Grundke	Rakemonie fremoto	20.06.06	
Name:	Signature:	Date:	
Rosemarie Grundke	Risellant penuste	do,06.06	
Name:	Signature:	Date:	
Rosemarie Grundke	Palennie female	20.06.06	
Name:	Signature:	Date:	
Rosemarie Grundke	HOPELIONE fellious	10.06.06	
Name:	Signature:	Date:	
Rosemarie Grundke	XOPELLONE ALLIONE	20,06.06	

ASSIGNMENT AND AGREEMENT

WHEREAS, Francesc Mitjans, Elisabet Rosell-Vives, Jaume Adan, Marta Soler Riera (hereinafter referred to singly and collectively as "ASSIGNOR") have invented a certain invention entitled

PYRIDOPYRIMIDIONES

for which an application for United States Letters Patent was filed on 14.10.2004 as Application No. PCT/EP2004/011549 ; and

WHEREAS, Merck Patent GmbH, having its principal place of business at Frankfurter Strasse 250, 64293 Darmstadt, Germany (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire interest therein;

NOW THEREFORE, in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations,

depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of Heller Ehrman White & McAuliffe the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Heller Ehrman White & McAuliffe do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

NAMES AND SIGNATURES OF INVENTORS			
NAMES AND SIGNATURES OF INVENTORS			
Name: Francesc Mitjans	Signature:	Date: 06,06	
Name: Elisabet Rosell-Vives	Signature:	Date: 10.06.06	
Name: Jaume Adan	Signature:	Date:	
Name: Marta Soler Riera	Signature:	Date: 20.06.06	
Name:	Signature:	Date:	
Name:	Signature:	Date	
NAMES AND SIGNATURES OF WITNESSES			
Name: Rosemarie Grundke	Signature:	Date: 0.06.06	
Name: Rosemarie Grundke	Signature: V Auglo	Date:	
Name:	Signature:	Date:	
Rosemarie Grundke	Dosluerie freuede	20.06.06	
Name:	Signature:	Date:	
Rosemarie Grundke	* XORMONIE Julie OBO	2006,06	

BEST AVAILABLE COPY

PTO/88/80 (01-00)
Approved for use through 12/31/2000. OMB 0851-0035
U.S. Palant and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unloss it displays a valid OMB control number.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b) I hereby appoint: 49442 Practitioners associated with the Oustomer Number: Practitioner(s) named below (if more than ten patent practitioners are to be named, then a oustomer number must be used): Registration Registration Number Namo Numbor as attornoy(a) or agont(a) to represent the undersigned before the United States Patent and Trademark Office (USP (O) in connection with uny and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 OFR 3.73(b). Planes change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to: 49442 The address associated with Customer Number: ORFirm or Baker & Daniels LLP Individual Namo Address 700 805 I5th Street, NW, ste. State Zip 20005 Washington DC Country ARU Emal 312-7400 Tolophone (202) Accignes Name and Address: Merck Patent GmbH Frankfurter Strasse 250 64293 Darmstadt A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.78(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed. SIGNATURE of Applynop of Record The inclividual whose signature and title is supplied below is authorized to not on behalf of the assignee Dalo **Glynature** Telephone 01/1/9 615172 7669 i.V. Ør. Hartmann Dotzauer Name Dr. ppa

Title Principal Officer Authorized Employee

This collection of information is required by 37 OFR 1.31, 1.52 and 1.33. The information is required to obtain or rotain a benefit by the public which is to file (and by the USPTO to precess) an application. Occilionatellity is governed by 38 U.S.O. 122 and 37 OFR 1.11 and 1.14. This collection is estimated to take 3 minutes by the USPTO individing gathering, preparing, and authoriting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form analyst suggestions for reducing this burden, should be ent to the Chief information Officer, U.S. Polent and Trademark Office, U.S. Department of Commerce, P.C. Box 1460, Alexandria, VA 22313-1460. DO NOT SENO PLES OR COMPLETHD PORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.